

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080723\
 Data File : VY014965.D
 Acq On : 07 Aug 2023 15:48
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/08/2023
 Supervised By :Semsettin Yesilyurt 08/08/2023

Quant Time: Aug 08 07:49:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	312901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	516702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	462274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	229979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	38047	10.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.060%#		
35) Dibromofluoromethane	7.716	113	32380	9.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.600%#		
50) Toluene-d8	10.179	98	124437	9.894	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.780%#		
62) 4-Bromofluorobenzene	12.477	95	44753	10.040	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.080%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21836	10.049	ug/l	99
3) Chloromethane	2.113	50	28110	11.415	ug/l	98
4) Vinyl Chloride	2.241	62	33589	11.070	ug/l	99
5) Bromomethane	2.638	94	26647	10.335	ug/l	93
6) Chloroethane	2.784	64	22870	10.916	ug/l	98
7) Trichlorofluoromethane	3.113	101	51445	10.729	ug/l	100
8) Diethyl Ether	3.522	74	18127	10.245	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	31101	10.957	ug/l	93
10) Methyl Iodide	4.082	142	28213	9.613	ug/l	99
11) Tert butyl alcohol	4.942	59	53223	58.150	ug/l	98
12) 1,1-Dichloroethene	3.863	96	26280	10.626	ug/l	93
13) Acrolein	3.723	56	13905	44.658	ug/l	97
14) Allyl chloride	4.466	41	42520	10.324	ug/l	96
15) Acrylonitrile	5.155	53	54662	50.567	ug/l	100
16) Acetone	3.942	43	62759	53.068	ug/l	96
17) Carbon Disulfide	4.186	76	59869	10.949	ug/l	99
18) Methyl Acetate	4.473	43	43038	9.993	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	95248	10.179	ug/l	100
20) Methylene Chloride	4.704	84	100812	11.062	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	30469	10.808	ug/l	84
22) Diisopropyl ether	6.112	45	98682	10.287	ug/l	95
23) Vinyl Acetate	6.058	43	287829	49.911	ug/l	95
24) 1,1-Dichloroethane	6.009	63	56072	10.305	ug/l	98
25) 2-Butanone	6.978	43	87301	51.540	ug/l	97
26) 2,2-Dichloropropane	6.978	77	58727	10.666	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	37336	10.465	ug/l	98
28) Bromochloromethane	7.326	49	25028	10.203	ug/l	88
29) Tetrahydrofuran	7.344	42	50093	50.431	ug/l	90
30) Chloroform	7.502	83	60791	10.284	ug/l	94
31) Cyclohexane	7.783	56	48514	9.523	ug/l #	79
32) 1,1,1-Trichloroethane	7.698	97	53731	10.315	ug/l	99
36) 1,1-Dichloropropene	7.917	75	42923	10.463	ug/l	99
37) Ethyl Acetate	7.076	43	32022	9.834	ug/l #	93
38) Carbon Tetrachloride	7.899	117	46899	10.170	ug/l	97
39) Methylcyclohexane	9.179	83	50718	10.396	ug/l	94
40) Benzene	8.155	78	125216	10.366	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14638m	9.250	ug/l	
42) 1,2-Dichloroethane	8.234	62	42548	10.119	ug/l	96
43) Isopropyl Acetate	8.271	43	59573	9.847	ug/l	92
44) Trichloroethene	8.941	130	35781	10.323	ug/l	90
45) 1,2-Dichloropropane	9.216	63	32374	10.084	ug/l	95
46) Dibromomethane	9.301	93	20866	10.090	ug/l	99
47) Bromodichloromethane	9.490	83	47960	10.071	ug/l #	99
48) Methyl methacrylate	9.289	41	25634	9.657	ug/l	91
49) 1,4-Dioxane	9.295	88	7705	200.300	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	168118	49.312	ug/l	94
52) Toluene	10.240	92	79301	10.202	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	49132	9.907	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	53141	9.918	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	30915	10.285	ug/l	91
56) Ethyl methacrylate	10.508	69	42365	9.843	ug/l	91
57) 1,3-Dichloropropane	10.788	76	50010	10.056	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	103822	51.017	ug/l	93
59) 2-Hexanone	10.825	43	123899	49.196	ug/l	92
60) Dibromochloromethane	10.984	129	35608	9.949	ug/l	99
61) 1,2-Dibromoethane	11.087	107	29447	10.264	ug/l	98
64) Tetrachloroethene	10.715	164	37164	10.688	ug/l	95
65) Chlorobenzene	11.514	112	89402	10.192	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	35046	10.196	ug/l	98
67) Ethyl Benzene	11.587	91	157185	10.211	ug/l	98
68) m/p-Xylenes	11.697	106	121652	20.658	ug/l	94
69) o-Xylene	12.026	106	58327	10.122	ug/l	98
70) Styrene	12.038	104	98923	10.045	ug/l	97
71) Bromoform	12.203	173	23262	9.819	ug/l #	99
73) Isopropylbenzene	12.325	105	155990	10.090	ug/l	100
74) N-amyl acetate	12.142	43	52174	9.878	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	37162	9.836	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	26470m	9.606	ug/l	
77) Bromobenzene	12.605	156	38613	10.297	ug/l	99
78) n-propylbenzene	12.666	91	189355	10.241	ug/l	99
79) 2-Chlorotoluene	12.752	91	106401	10.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	129442	10.160	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	12278	9.816	ug/l	92
82) 4-Chlorotoluene	12.849	91	110851	10.175	ug/l	99
83) tert-Butylbenzene	13.069	119	118611	10.177	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	129946	10.181	ug/l	98
85) sec-Butylbenzene	13.251	105	174804	10.220	ug/l	99
86) p-Isopropyltoluene	13.367	119	143590	10.142	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	74222	10.112	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	74839	10.224	ug/l	97
89) n-Butylbenzene	13.690	91	135531	10.188	ug/l	97
90) Hexachloroethane	13.959	117	27488	9.998	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	69871	10.314	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7060	9.571	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	42787	9.870	ug/l	98
94) Hexachlorobutadiene	15.111	225	23570	10.027	ug/l	99
95) Naphthalene	15.233	128	98775	9.684	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	38995	9.938	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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